(19) World Intellectual Property Organization International Bureau





(43) International Publication Date 31 January 2002 (31.01.2002)

PCT

(10) International Publication Number WO 02/08039 A 1

(51) International Patent Classification?: 13/74, F16D 55/40

B60T 13/66,

(21) International Application Number: PCT/GB01/03295

(22) International Filing Date: 24 July 2001 (24.07.2001)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

0018154.5

25 July 2000 (25.07.2000) GB

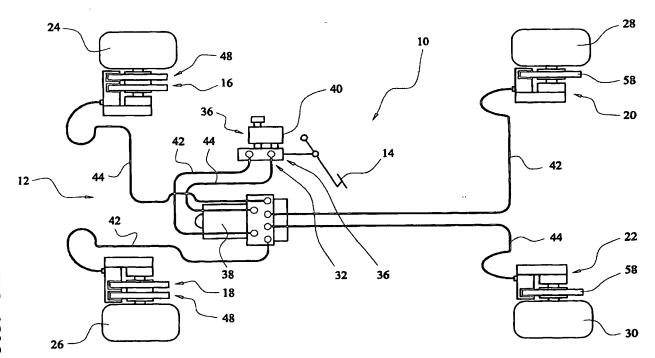
- (71) Applicant (for all designated States except US): DELPHI TECHNOLOGIES INC [US/US]; Legal Staff, Mailcode : 480-414-420, Troy, MI 48007-5052 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): BUNKER, Kenneth,

James [GB/GB]; 39A Mill Road, Rearsby, Leicester LE7 4YN (GB).

- (74) Agent: ARCHER, Philip, B.; Urquhart-Dykes & Lord, New Priestgate House, 57 Priestgate, Peterborough, Cambs PE1 1JX (GB).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE,

[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR CONTROLLING A BRAKING SYSTEM



(57) Abstract: Method and apparatus for controlling the front and rear wheel braking system of a road-going mass-produced motor car or automobile enables provision of brake-by-wire facilities utilising an electrically-powered servo motor (34) to generate brake-operating thrust which is applied to the interleaved friction elements (64, 66, 68) and twin discs (54, 56) of a disc brake (16) having axially slidable discs and a fixed caliper (52) and disc and friction element-attitude control means (70, 72). The brake is of spot-type disc brake construction and the servo motor applies less brake-actuating thrust than is required for a comparable fixed disc and floating caliper construction.





IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

- with international search report